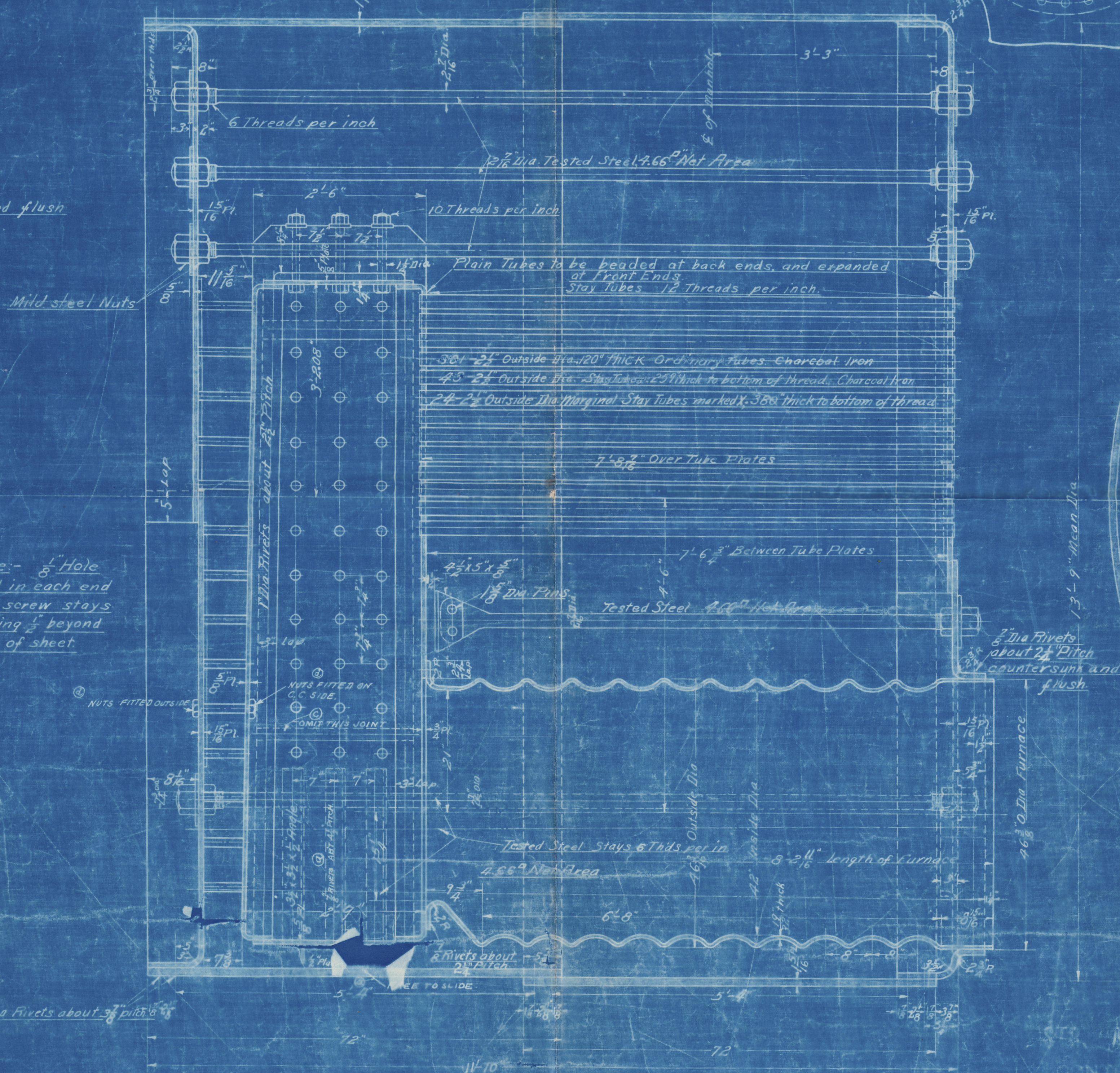


Note:-  $\frac{1}{8}$ " Hole drilled in each end of all screw stays extending  $\frac{1}{2}$ " beyond inside of sheet.

Note - All screw Stays  
marked  $\odot$  are  $1\frac{1}{2}$ " dia. Tested Steel  
10 Threads per inch, Nut  $1\frac{1}{2}$ " deep



DATA FOR ONE BOILER	
Length of Grate	5'-0"
Grate Area	51.5 <sup>sq</sup> ft
External Dia. of Tubes	4"
Number of Tubes	368
Heating Surface Tubes	1821 <sup>sq</sup> ft
" Furnaces	132 <sup>sq</sup> ft
" Combustion Chamber	214 <sup>sq</sup> ft
Total	2167 <sup>sq</sup> ft
Tube Area	988 <sup>sq</sup> ft
Ratio $\frac{H.S.}{G.A.}$	$\frac{2167}{51.5}$ 42
Ratio $\frac{H.S.}{Tub. Area}$	$\frac{2167}{988}$ 2.2
Steam Pressure	160 lbs
Test "in the boiler"	330 Lbs

*Per Cent of Built Joint  
British Corporation*

Note - MR. STY. HERMAN FRASCH, CONTRACT #78  
Boilers to be built in all respects in accordance with  
the requirements of the Board of Supervising Inspectors  
of Steam Vessels, and with the rules and under the  
inspection of the American Bureau of Shipping, and  
the British Corporation Registry for working  
steam pressure of 190 lbs. per square inch.

Boilers to be built in all respects in accordance with the requirements of the Board of Supervising Inspectors of Steam Vessels, and with the rules and under the inspection of Lloyd's Register of Shipping for a working steam pressure of 130 lbs. per square inch.

Work / Mark	Name	Material	Number Required
	Boiler as drawn	Steel	2 2 2 4
	Boiler to other Hand	Steel	1 1 1 2

MAIN BOILER		ORDERED				
13'-9" Mean Dia. x 11'-10" Long				X	X	X
For 190 # Steam				X	X	X
1" = 1 foot	DATE May 29, 1909					
IN CHARGE		IRON TRACK	44			
DRAWN BY J. A. B.			78			
CHECKED BY H. L. BROWN			188			
TRACED BY A. G.			207			
APPROVED			224			



FORE RIVER 224 vs.

BOILER

190 LBS W.P.

S/S ATLANTIC.

Doc 776



S.S. Pacific

Doc 780.



© 2020

Lloyd's Register

W483-0090

Foundation